**Titre d’article**: Lactation Stage Effect on Nutritional Quality of Algiers Area

Cows’ Milk

**Résumé :**

The quality of cow's milk from imported races is a new subject in the field of milk production in Algeria while taking into account the new breeding conditions these animals are subjected to. Consequently, this study aims to study the effect of one of these conditions, the lactation stage, on milk physico-chemical parameters along with its impact on Fatty Acids (FA) content. Methodology: A group of 340 dairy cows were spread out over 3 dairy-farms located in the surrounding of Algiers. They were monitored for 10 monthʼs lactation at a rate of one sampling a month in order to cover 3 stages: Early, mid and late lactation. Results: The study showed that lactation stage significantly contributes (p0.05). Conclusion: By controlling the breeding conditions, the study showed that lactation stage significantly contributes to variation in Algiers milk fat composition and alters the activity of fatty acid pathways. Besides, milk will get interesting nutritional qualities.